LABDEX

Refrigerated Horizontal Shaking Incubator
LX200HSI

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Description

Refrigerated Horizontal Shaking Incubator LX200HSI designed with PID controller, LCD display (with backlight) for setting parameters and visualization, fluorescent and UV lamp for lighting and large toughened glass window to view temperature, speed and time. Build-in CFC-Free (134A) refrigerant. The outer chamber is comprised of Powder-coated steel construction and the inner chamber is made up of a polished SUS304 stainless steel chamber. Features with various types of alarm functions such as high/low limit over temperature acoustic & visual alarm, high/low limit over speed alarm, electric current leakage, over load protection, motor over-heat protection and automatic power cut-off in case of temperature out of control or abnormal over-temperature. It is mainly applicable in pilot-scale experiments and batch production for strain screening.

Specifications

Control	P.I.D. (Environmental Scanning Microprocessor)
Chamber capacity	200 L
Display	LCD (Simultaneous display of working & set parameters)
Convection mode	High-speed Forced Convection
Oscillation mode (standard)	Orbital
Oscillation mode (optional)	Linear
Drive	Single-shaft 5-dimension technology
Working environment	Temperature: 15°C~35°C, Humidity 20%-90%
Temp. range	-15°C ~ 60°C (min. 4°C)
Temp. fluctuation	≤±2°C
Temp. accuracy	±0.1℃
Temp. uniformity	≤±1°C
Speed range	30-300 rpm
Speed accuracy	±1 rpm
Oscillation amplitude	Φ25mm
Refrigerant	CFC-Free (134A)
Timing range	0-999.59 hr

Tray size	890 x 480 x 80 mm
Tray number	1 Pcs
Chamber material	Polished SUS304 stainless steel
Shaking platform material	SUS304 stainless steel
Construction	Steel with powder coating
Power supply	AC 200-240V/50-60Hz
Power	1120 W
Chamber dimensions (D x W x H)	970 x 550 x 375 mm
Overall dimensions (D x W x H)	1250 x 650 x 1060 mm
Net weight	216 kg
Packing dimensions (L x W x H)	1370 x 830 x 1210 mm
Gross weight	274 kg

Features

- Speed range extendable to 30-300rpm with temperature range RT+5℃~60℃
- LCD display with P.I.D processing controller with acoustic & visual alarm
- The outer chamber is made up of powder-coated steel construction and the inner chamber is made up of stainless steel chamber
- Single-shaft 5-dimensions technology, quiet and durable
- It has an acceleration control circuit that ensures a soft start, smooth acceleration and safety of samples
- Build with 120W AC inductive long-life brushless motor, with wide speed regulation, constant torque, constant speed of rotation, and maintenance-free
- Designed with power-failure recovery, parameter memory, temperature/speed calibration, time display, and speed-saving function
- Repeat, increment (step) and 8-segment curve programming setting

Applications

- Horizontal Shaking Incubator used in Biotechnology companies, pharmaceuticals, fermentation, microbiology for mass production/ pilot-scale experiments and batch production for strain screening.

Standard Accessories

- Fluorescent lamp x 1 Pcs
- UV lamp x 1 Pcs
- Flask shaking platform x 1 Pcs
- Flask clamps (One size offered as standard configuration)

Optional Accessories

- 7-inch touch screen LCD display
- LED culture lighting system
- Universal spring platform
- Tube rack
- Microplate rack
- Sticky pad
- Humidity control system with heater and external water tank

Configuration

Flask specification	Maximum capacity
250 ml	43
500 ml	28
1000 ml	18
2000 ml	12
Tube rack (18mm)	216

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